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Notice of Allowability	Application No.	Applicant(s)	
	10/618,273 Examiner	JEON ET AL. Art Unit	
	Luan Thai	2827	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	IS (OR REMAINS) CLOSED in 35) or other appropriate comm RIGHTS. This application is:	n this application. If not include unication will be mailed in due	led course. THIS
1. This communication is responsive to the amendment file	ed 10 May 2004.		
2. X The allowed claim(s) is/are <u>1-7</u> .			
3. \boxtimes The drawings filed on <u>11 July 2003</u> are accepted by the	Examiner.		
4. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: 1. Certified copies of the priority documents hat 2. Certified copies of the priority documents hat 3. Copies of the certified copies of the priority International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	ave been received. ave been received in Application	on No	ation from the
Applicant has THREE MONTHS FROM THE "MAILING DAT noted below. Failure to timely comply will result in ABANDOI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	E" of this communication to file NMENT of this application.	e a reply complying with the re	equirements
5. A SUBSTITUTE OATH OR DECLARATION must be sul INFORMAL PATENT APPLICATION (PTO-152) which g			NOTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") in (a) including changes required by the Notice of Draftsp 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examin Paper No./Mail Date Identifying indicia such as the application number (see 37 CFI each sheet. Replacement sheet(s) should be labeled as such in the property of the sheet in the property of the sheet in the property of the property	erson's Patent Drawing Revie —- er's Amendment / Comment o R 1.84(c)) should be written on t in the header according to 37 Cl	r in the Office action of he drawings in the front (not th FR 1.121(d).	
7. DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMEN	Posit of BIOLOGICAL MAT NT FOR THE DEPOSIT OF BI	ERIAL must be submitted. OLOGICAL MATERIAL.	Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-94) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/S Paper No./Mail Date	8) 6. Interview S Paper No. B/08), 7. Examiner's 9. Other		,
prin	nong Examinen	7/9/04	

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DETAILED ACTION

1. Claims 1-7 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The cited art taken either singly or in combination with other prior arts fails to anticipate or fairly suggest the limitations which the Applicant claims in independent claim 1 in a manner which would warrant a rejection under 35 U.S.C. § 102 or 35 U.S.C. § 103, especially when these limitations are considered within the specific combination claimed.

The cited art, U.S. Pat. No. 6,703,277 to Paton et al., discloses a process for fabricating a device, the process including steps of depositing on the silicon substrate a layer comprising at least one high-K dielectric material and depositing on the high-K dielectric material layer a layer of a metal. Paton et al., however, fail to teach, among other, the method steps of: forming an interfacial oxide layer over a channel region of the substrate, the interfacial oxide layer having a first thickness, forming an oxygen-attracting layer over the interfacial oxide layer, wherein the oxygen-attracting layer prevents the first thickness of the interfacial oxide layer from increasing, as recited in claim 1.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Luan Thai whose telephone number is 571-272-1935. The examiner can normally be reached on 6:45 AM - 4:15 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Luan Thai

Primary Examiner Art Unit 2827

July 10, 2004